

BookletChartTM

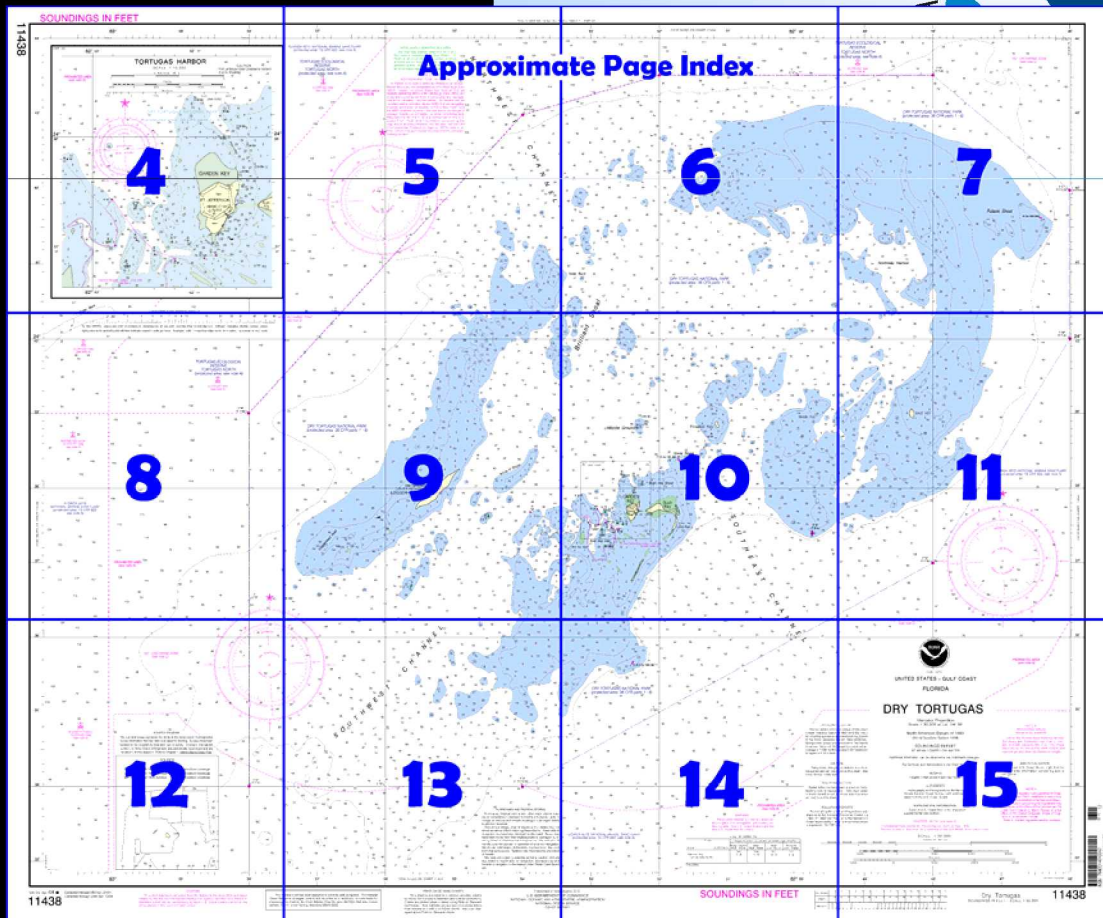
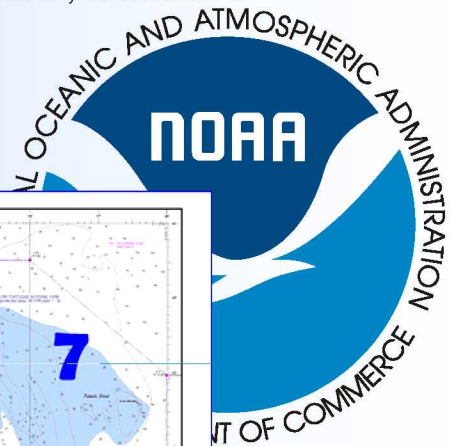
Dry Tortugas

(NOAA Chart 11438)



A reduced scale NOAA nautical chart for small boaters. When possible, use the full size NOAA chart for navigation.

- ✓ Complete, reduced scale nautical chart
- ✓ Print at home for free
- ✓ Convenient size
- ✓ Up to date with all Notices to Mariners
- ✓ United States Coast Pilot excerpts
- ✓ Compiled by NOAA, the nation's chartmaker.



Home Edition (not for sale)



What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™?

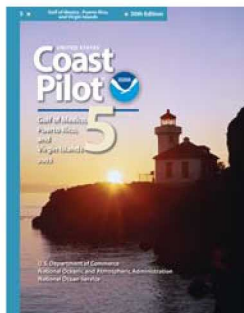
This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.



[Coast Pilot 5, Chapter 4 excerpts]

(121) The **Dry Tortugas** are a group of small keys and reefs 63 miles W from Key West. The group is about 11 miles long, in a NE-SW direction, and 6 miles wide. **Pulaski Shoal**, at the NE end of the group, is 12 miles NW of Rebecca Shoal. **Pulaski Shoal Light** (24°41'36"N., 82°46'24"W.), 56 feet above the water, is shown from a small black house on a hexagonal pyramidal skeleton tower on piles on the E side of the shoal.

(122) The keys are low and irregular, and have a thin growth of mangrove. In general, they rise abruptly from deep water and have fairly good channels between them. They are continually changing in size and shape.

(123) **Garden Key** is the site of historic **Fort Jefferson National Monument**, a hexagonal structure with walls 425 feet long rising from a surrounding moat. The fortress, once a military prison, is now a

government reservation administered by the National Park Service. An abandoned lighthouse, 67 feet high, is behind the SE bastion. A fixed white light, visible at least 8 miles, is displayed at night from the tower by the National Park Service. Garden Key and the surrounding waters of the Dry Tortugas are subject to rules and regulations prescribed by the Secretary of the Interior. Commercial fishing is prohibited within these waters.

(124) The S and N of the three wharves on the E side of the key are in ruins. The center wharf, off the SE front of the fort, is in good condition, with 16 to 22 feet alongside. No fuel, provisions, or water are available. The National Park Service permits berthing for a maximum of 2 hours.

(125) Small craft should not try to make Dry Tortugas from Key West, because of the rough nature of the sea around Rebecca Shoal.

(126) **Loggerhead Key**, the other of the two principal keys in the Dry Tortugas, is 2.5 miles W of Garden Key. **Dry Tortugas Light** (24°38'00"N., 82°55'12"W.), 151 feet above the water, is shown from an 86-foot conical tower, lower half white and upper half black, near the center of Loggerhead Key.

(127) Fort Jefferson and Dry Tortugas Light are good landmarks and can be seen at a distance of 10 to 12 miles on a clear day. Fort Jefferson has the appearance of a bare rocky island, and is an excellent radar target at distances greater than 12 miles.

(128) **Bush Key**, just E of Garden Key, is a refuge for noddy and sooty terns. These birds come in early April and leave in September.

(129) When approaching the Dry Tortugas from E or SE, soundings give little warning of danger, as depths of 10 to 15 fathoms are found close to the reefs in many places. The water shoals more gradually in the approaches from NW or SW, but an approaching vessel should stay in depths greater than 15 fathoms if uncertain of her position.

(130) Southeast and Southwest Channels are the principal approaches; both are marked and the shoals can be identified on a clear day by the difference in color of the water. Northwest Channel is unmarked.

(131) **Southeast Channel** skirts the reefs S of **East Key** and **Middle Key**, and passes between the 25-foot shoal S of **Hospital Key** and **Iowa Rock** off **Bush Key Shoal**. Iowa Rock is marked by a light. The reefs S of Middle Key can be cleared by keeping S of a line through the abandoned lighthouse on Fort Jefferson and Dry Tortugas Light. The channel has depths of 20 feet or more, but it should be used with caution by vessels drawing more than 18 feet.

(132) In Southeast Channel, 1 mile E of Garden Key, the current floods N and ebbs S with an average velocity of 0.6 knot.

(133) **Southwest Channel**. The least depth found along the marked channel is 31 feet, but the same caution is advised as with Southeast Channel.

(134) Among the reefs and keys are numerous places where vessels can anchor and find shelter from seas from various quarters. A good anchorage, although somewhat open to the N, is N and NW of Garden Key. The holding ground is good, and the depths range from 8 to 10 fathoms.

(135) Excellent anchorage for small craft is found in the deep water of Bird Key Harbor, reached through the narrow channel encircling Garden Key, which is well marked. The entrance to **Bird Key Harbor** is narrow, and care is required to avoid the shoals on either side. The main entrance channel is marked by daybeacons.

Table of Selected Chart Notes

Corrected through NM Jan. 26/08
Corrected through LNM Jan. 22/08

HEIGHTS
Heights in feet above Mean High Water.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 5. Additions or revisions to Chapter 2 are published in the Notices to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 7th Coast Guard District in Miami, Florida, or at the Office of the District Engineer, Corps of Engineers in Jacksonville, Florida.
Refer to charted regulation section numbers.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the U.S. Coast Guard.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

NOTE B

PROHIBITED AREAS (Areas to be avoided)

Under the Florida Keys National Marine Sanctuary and Protection Act, Pub. L. 101-605 and IMO advisory SN/ Circ. 145, these areas are to be avoided by tank vessels and vessels greater than 50 meters in length.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 5 for important supplemental information.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 1.549' northward and 0.564' eastward to agree with this chart.

PARTICULARLY SENSITIVE SEA AREA

The Particularly Sensitive Sea Area (PSSA) is indicated by a dashed green limiting line highlighted with a green screened band or by a green screened band used in conjunction with the line symbol for other limits with which the PSSA coincides. A PSSA is an environmentally sensitive area around which mariners should exercise extreme caution. See U.S. Coast Pilot volumes for information regarding this area.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

For Symbols and Abbreviations see Chart No. 1

HURRICANES AND TROPICAL STORMS

Hurricanes, tropical storms and other major storms may cause considerable damage to marine structures, aids to navigation and moored vessels, resulting in submerged debris in unknown locations.

Charted soundings, channel depths and shoreline may not reflect actual conditions following these storms. Fixed aids to navigation may have been damaged or destroyed. Buoys may have been moved from their charted positions, damaged, sunk, extinguished or otherwise made inoperative. Mariners should not rely upon the position or operation of an aid to navigation. Wrecks and submerged obstructions may have been displaced from charted locations. Pipelines may have become uncovered or moved.

Mariners are urged to exercise extreme caution and are requested to report aids to navigation discrepancies and hazards to navigation to the nearest United States Coast Guard unit.

PRINT-ON-DEMAND CHARTS

This chart is available in a version updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts.

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

NOTE X

Within the 12-nautical mile Territorial Sea, established by Presidential Proclamation, some Federal laws apply. The Three Nautical Mile Line, previously identified as the outer limit of the territorial sea, is retained as it continues to depict the jurisdictional limit of the other laws. The 9-nautical mile Natural Resource Boundary off the Gulf coast of Florida, Texas, and Puerto Rico, and the Three Nautical Mile Line elsewhere remain in most cases the inner limit of Federal fisheries jurisdiction and the outer limit of the jurisdiction of the states. The 24-nautical mile Contiguous Zone and the 200-nautical mile Exclusive Economic Zone were established by Presidential Proclamation. Unless fixed by treaty or the U.S. Supreme Court, these maritime limits are subject to modification.

CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

COLREGS, 80.740 (see note A)

International Regulations for Preventing Collisions at Sea, 1972.
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

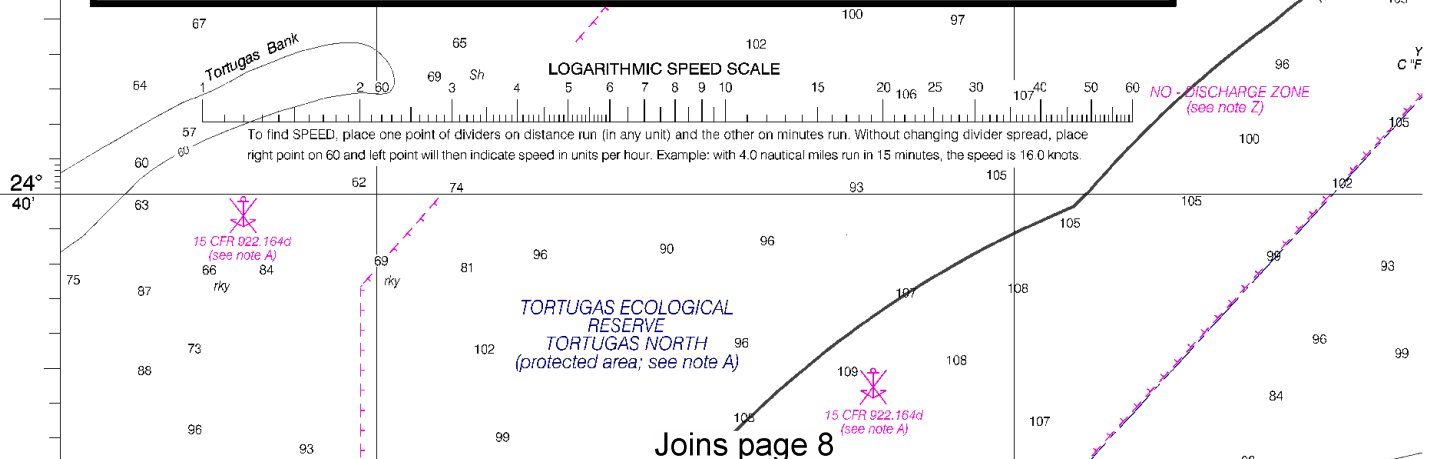
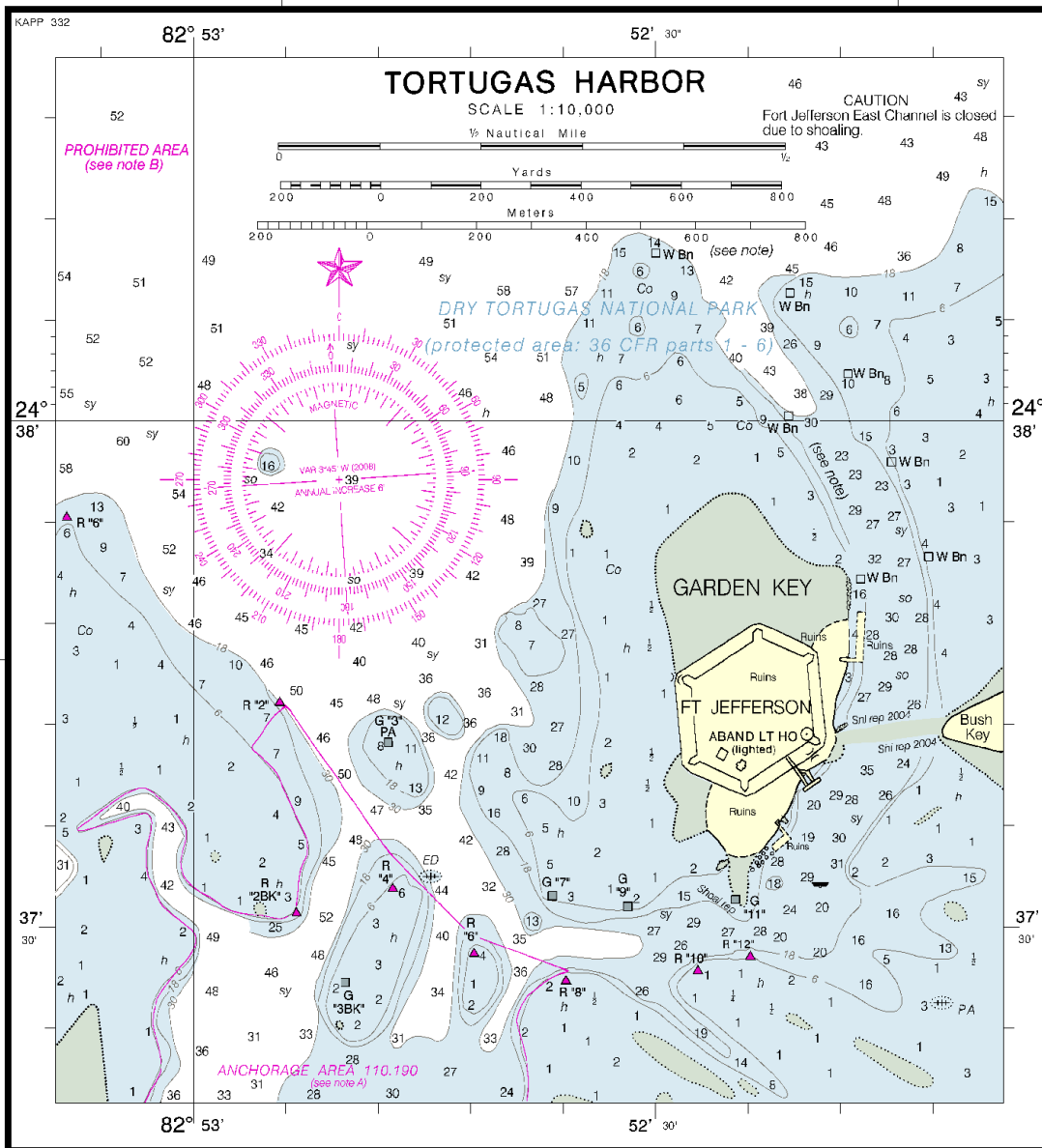
TIDAL INFORMATION

PLACE		Height referred to datum of soundings (MLLW)		
NAME	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water
		feet	feet	feet
Garden Key	(24°37'N/082°52'W)	1.8	1.5	0.3

Dashes (---) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from <http://tidesandcurrents.noaa.gov>. (Jan 2008)

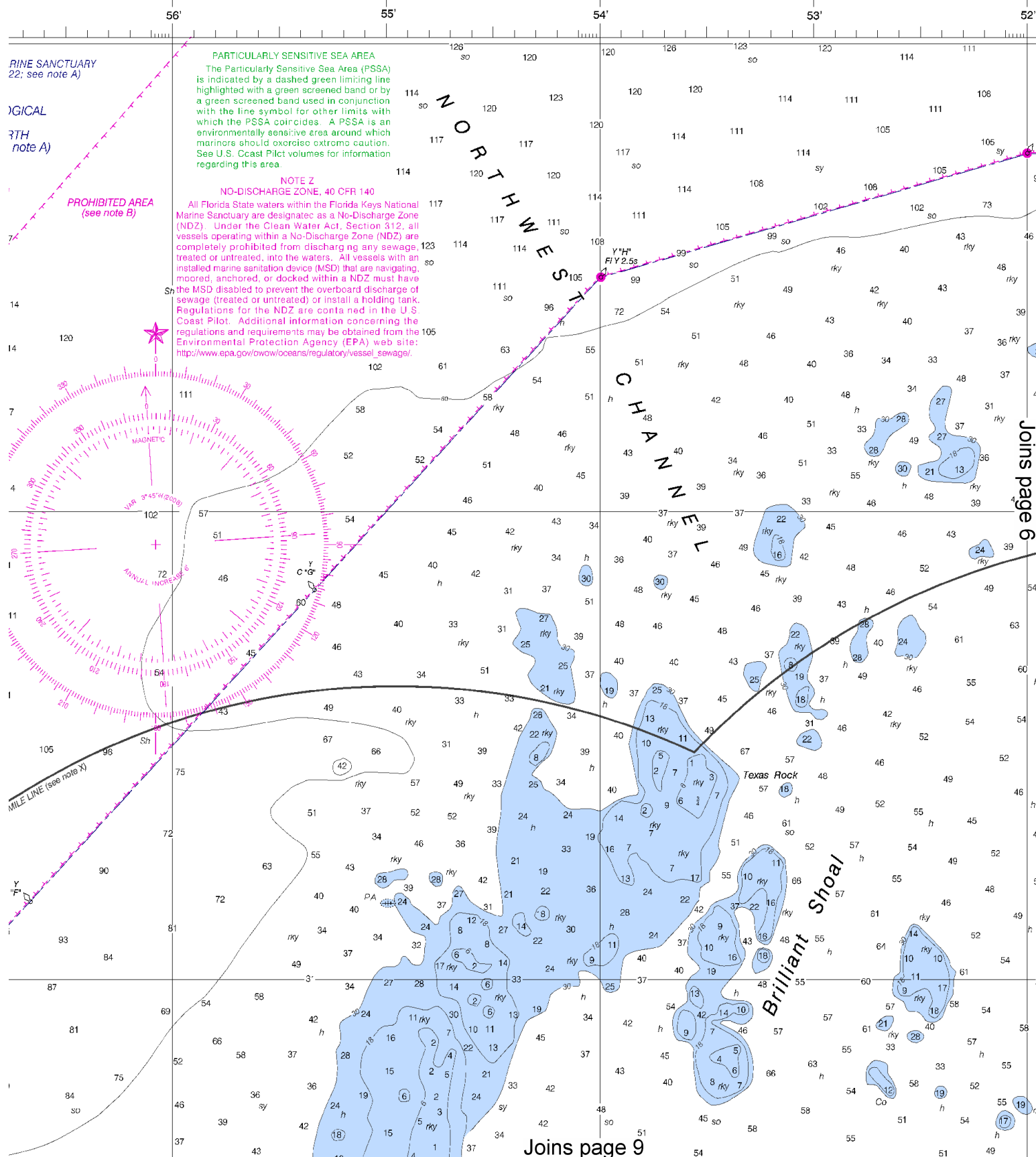
SOUNDINGS IN FEET

11438

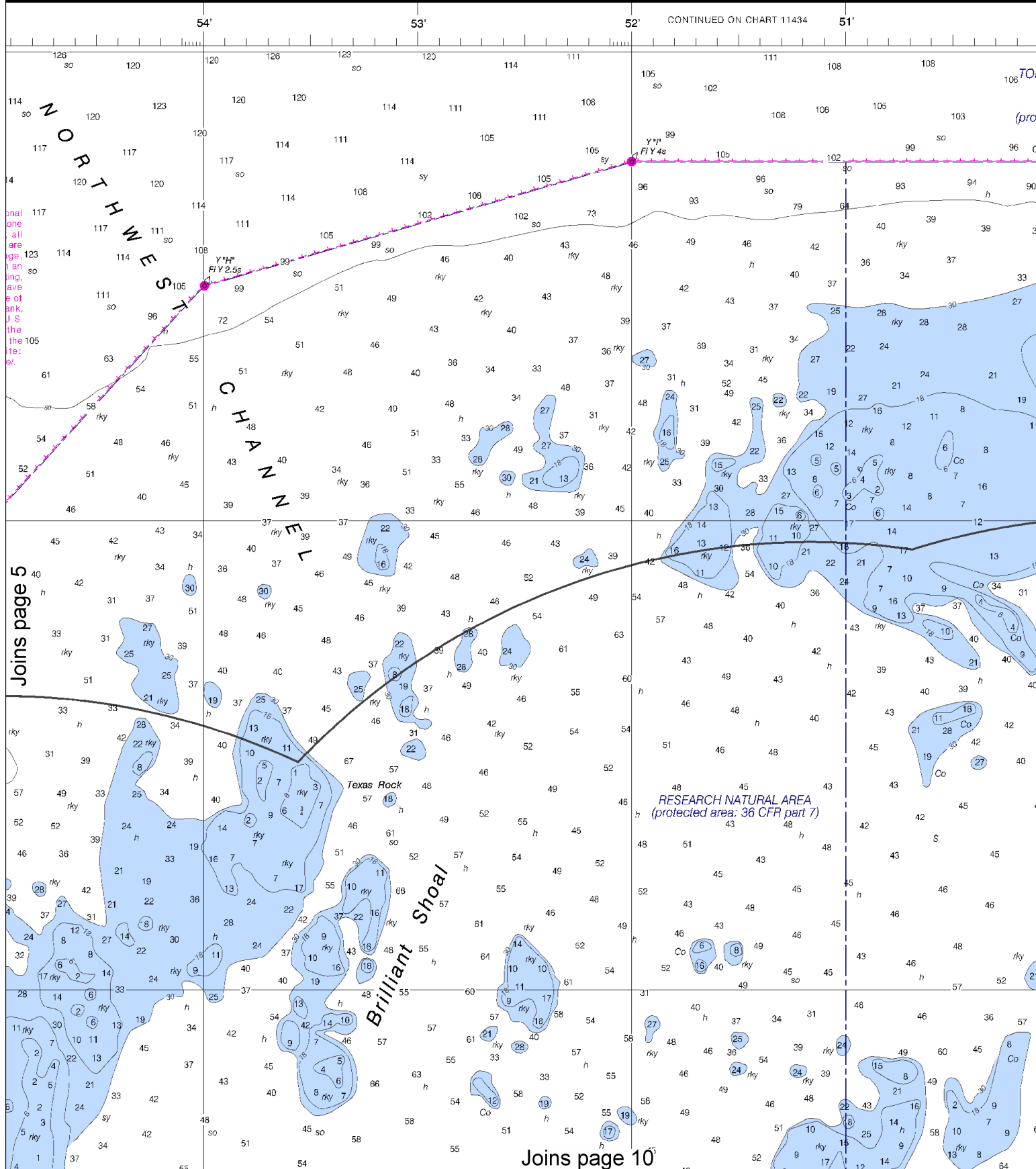


4





This BookletChart was reduced to 75% of the original chart scale.
 The new scale is 1:40000. Barscales have also been reduced and
 are accurate when used to measure distances in this BookletChart.



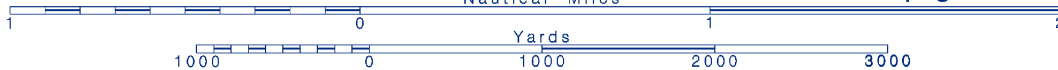
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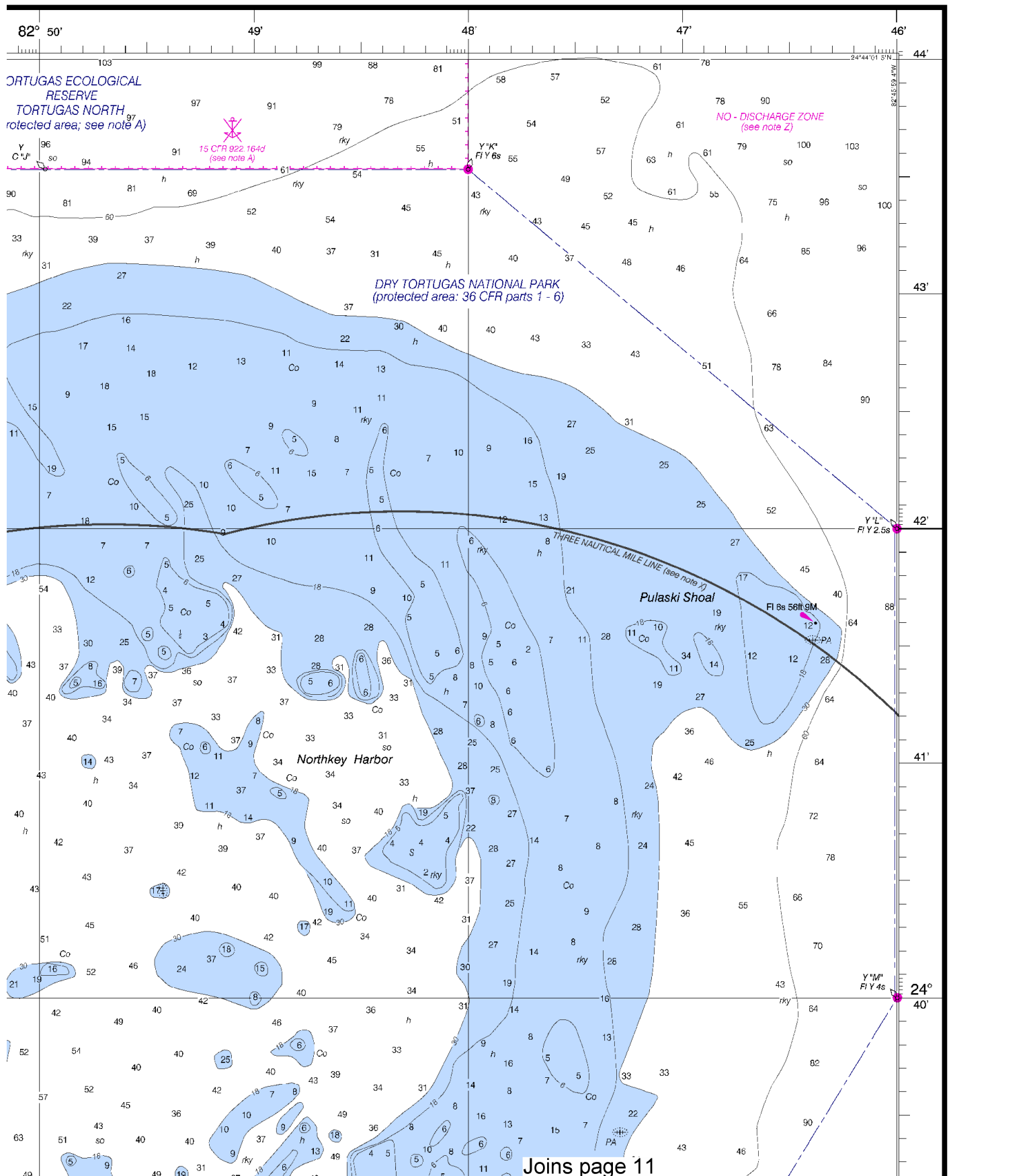


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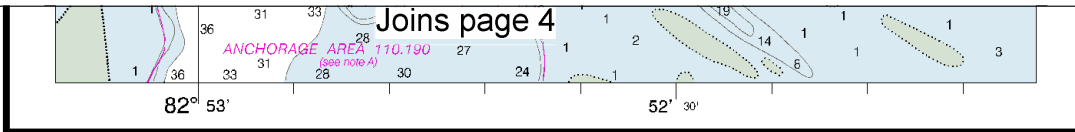
SCALE 1:30,000
Nautical Miles

See Note on page 5.





This BookletChart has been updated with: Coast Guard Local Notice To Mariners: 0710 2/16/2010,
 NGA Weekly Notice to Mariners: 0910 2/27/2010,
 Canadian Coast Guard Notice to Mariners: n/a .



24°
40'

39'

38'

37'

36'

CONTINUED ON CHART 11434

FLORIDA KEYS
NATIONAL MARINE SANCTUARY
(protected area: 15 CFR 922; 114
see note A)

PROHIBITED AREA
(see note B)

TORTUGAS ECOLOGICAL
RESERVE
TORTUGAS NORTH
(protected area; see note A)

RESEARCH N.
(protected area)

NO - DISCHARGE ZONE
(see note Z)

NO - DISCHARGE ZONE
(see note Z)

LOGARITHMIC SPEED SCALE

To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots.

15 CFR 922.164d
(see note A)

RESTRICTED ANCH
15 CFR 922.164g
(see note A)

15 CFR 922.164d
(see note A)

Y*E*
Fl Y 6s

Y
C D

MAGNETIC
VAR 3°15'W (2008)

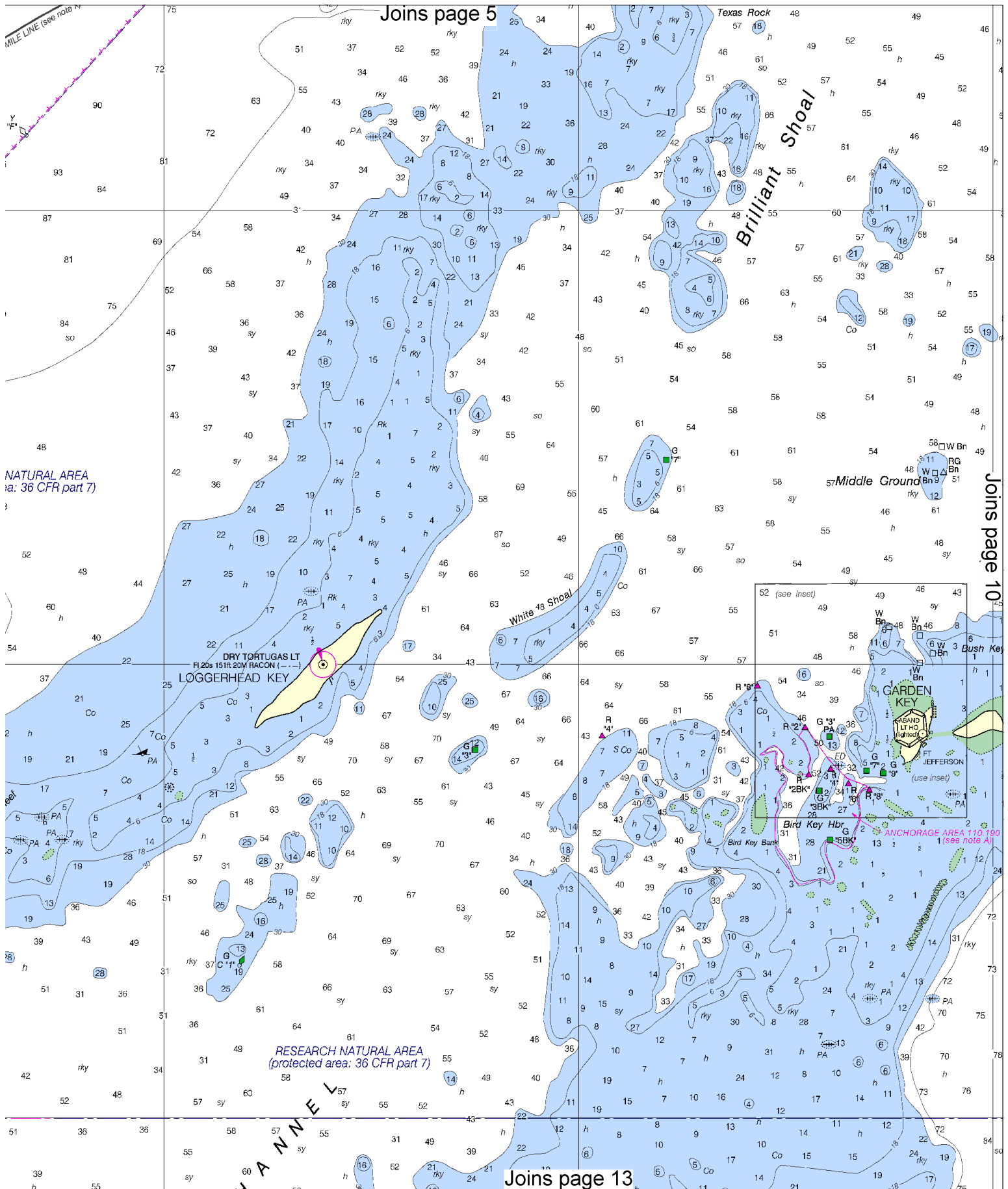
Joins page 12

Printed at reduced scale.

SCALE 1:30,000
Nautical Miles

See Note on page 5.





MILE LINE (see note A)

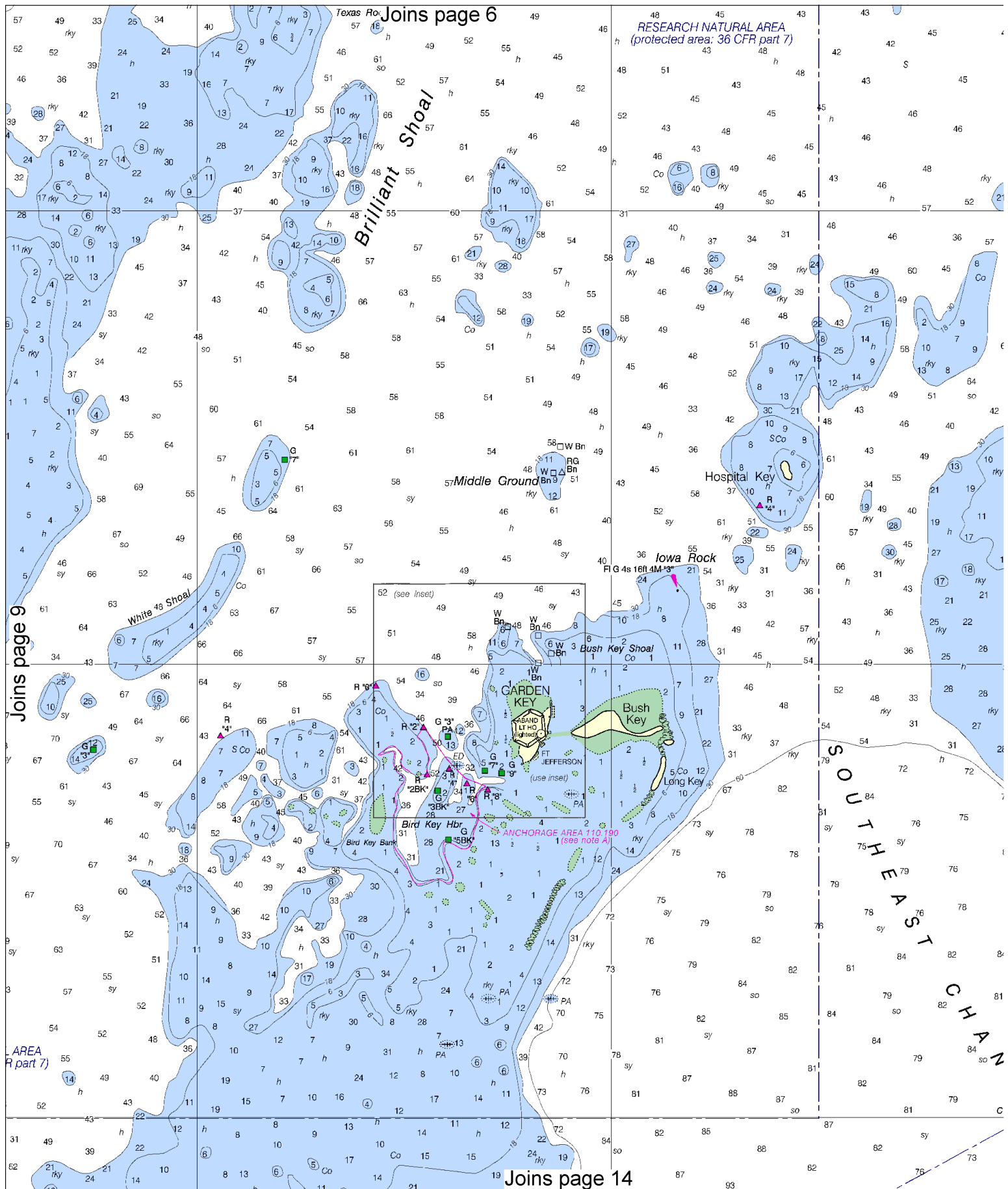
NATURAL AREA
36 CFR part 7)

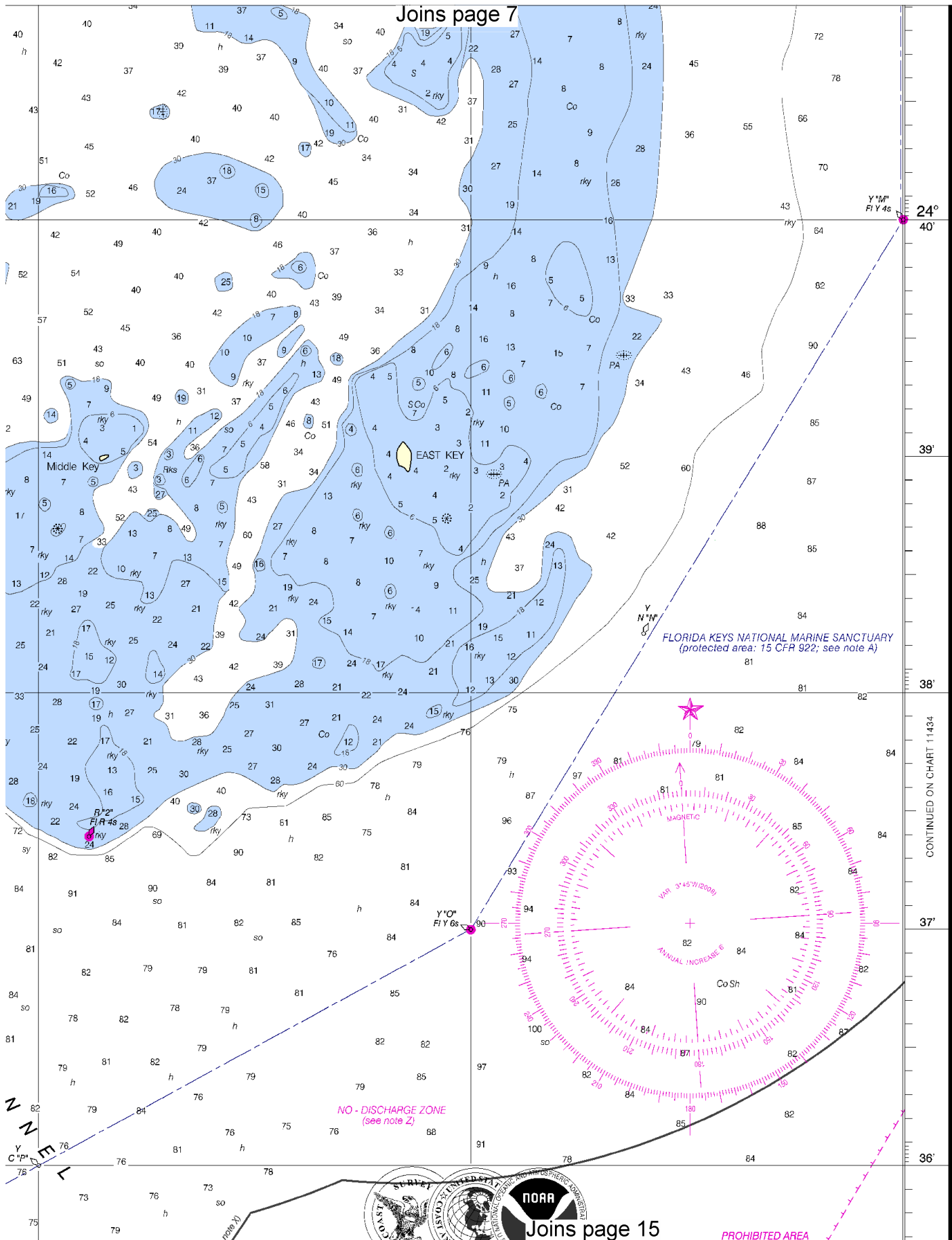
RESEARCH NATURAL AREA
(protected area: 36 CFR part 7)

Joins page 5

Joins page 10

Joins page 13





Joins page 8

102 FLORIDA KEYS
NATIONAL MARINE SANCTUARY
(protected area: 15 CFR 922; 114
see note A)
105

PROHIBITED AREA
(see note B)

NO - DISCHARGE ZONE
(see note Z)

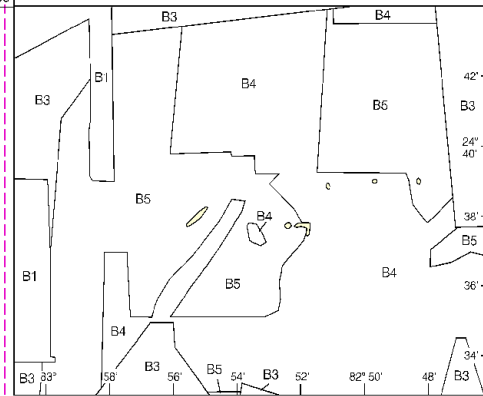
RESTRICTED ANCH
15 CFR 922.164g
(see note A)

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

SOURCE

B1	1990 - 2004 NOS Surveys	partial bottom coverage
B3	1940 - 1969 NOS Surveys	partial bottom coverage
B4	1900 - 1939 NOS Surveys	partial bottom coverage
B5	1850 - 1899 NOS Surveys	partial bottom coverage



13th Ed., Jan./08 ■ Corrected through NM Jan. 26/08
Corrected through LNM Jan. 22/08

11438

CAUTION

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12



Printed at reduced scale.

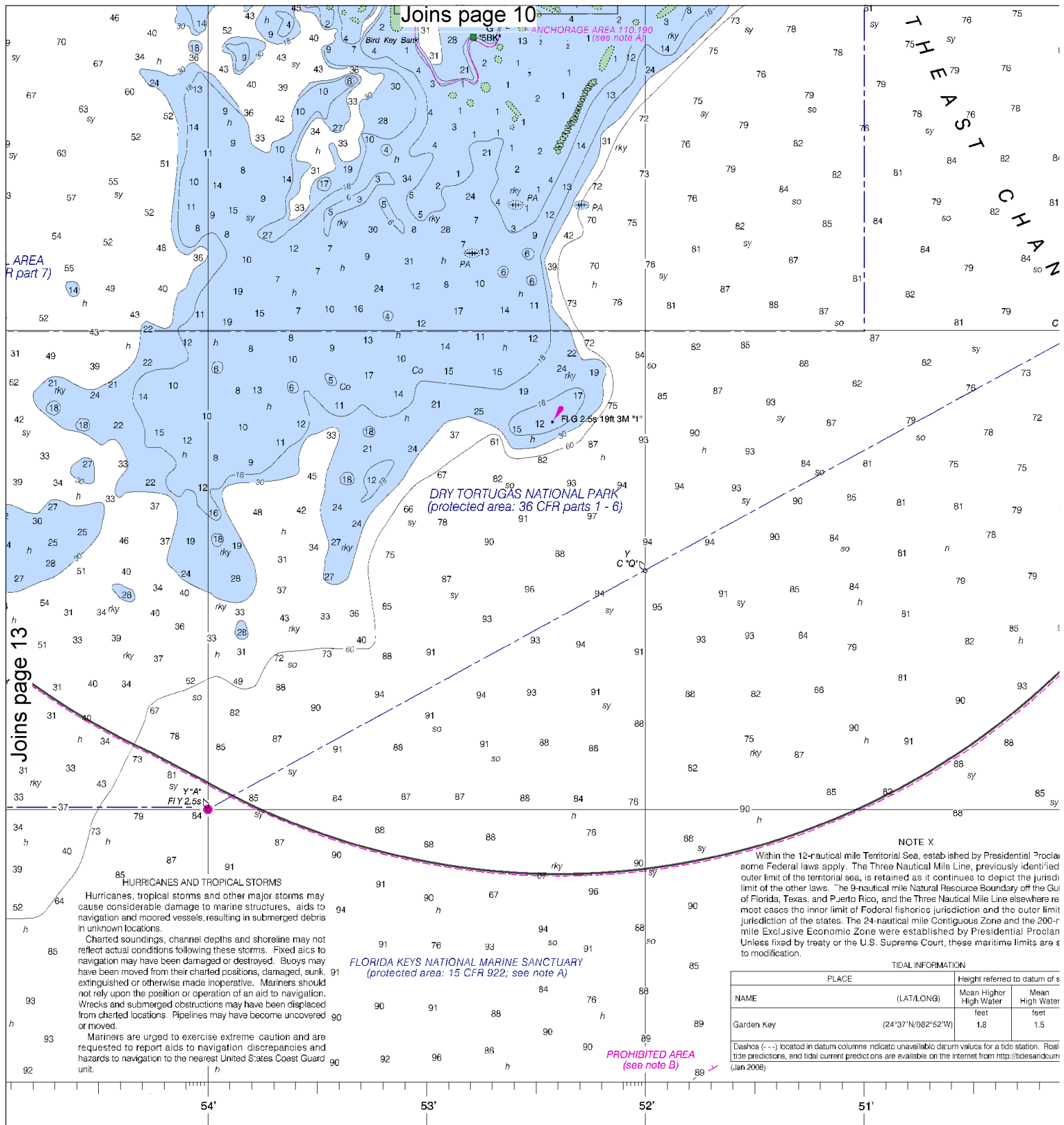
SCALE 1:30,000
Nautical Miles

See Note on page 5.





WARNING
The prudent mariner will not rely on any single aid to navigation, including floating aids. See U.S. Coast and U.S. Coast Pilot for details.

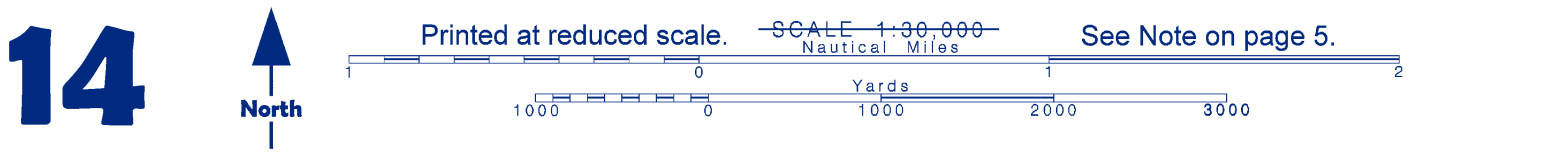


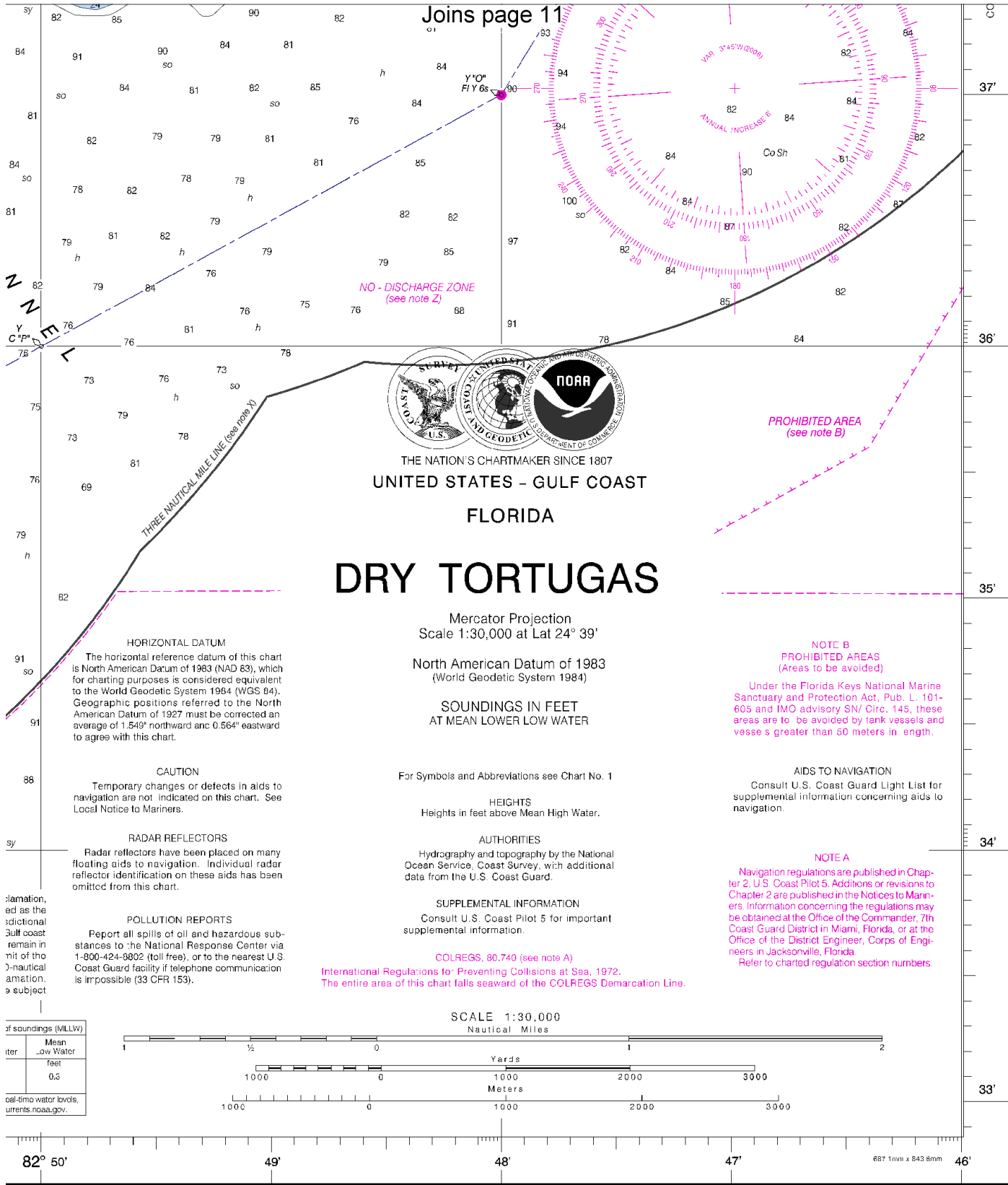
TS updated weekly
tical corrections.
rint-on-Demand
5-8 weeks before
Ask your chart

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

WARNING
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and U.S. Coast Pilot for details.

SOUNDINGS IN FEET





Information, as the additional Gulf coast remain in the 2-nautical mile, a subject

of soundings (MLLW)	Mean Low Water
feet	0.3
cal-time water levels, currents.noaa.gov.	

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Dry Tortugas
SOUNDINGS IN FEET - SCALE 1:30,000

11438



EMERGENCY INFORMATION

VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

Channels 68, 69, 71, 72 & 78A – Recreational boat channels.

Distress Call Procedures

1. Make sure radio is on.
2. Select Channel 16.
3. Press/Hold the transmit button.
4. Clearly say: "MAYDAY, MAYDAY, MAYDAY."
5. Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
6. Release transmit button.
7. Wait for 10 seconds – If no response Repeat MAYDAY Call.

HAVE ALL PERSONS PUT ON LIFE JACKETS !!

Mobile Phones – Call 911 for water rescue.

Coast Guard Group Key West – 305-292-8856

Coast Guard Key West – 305-295-9700

FL Fish and Wildlife Conservation Comm – 888-404-3922

Coast Guard Atlantic Area Cmd – 757-398-6390

NOAA Weather Radio – 162.400 MHz, 162.425 MHz, 162.450 MHz, 162.475 MHz, 162.500 MHz, 162.525 MHz, 162.550 MHz.

Getting and Giving Help – Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

NOAA CHARTING PUBLICATIONS

Official NOAA Nautical Charts – NOAA surveys and charts the national and territorial waters of the U.S, including the Great Lakes. We produce over 1,000 traditional nautical charts covering 3.4 million square nautical miles. Carriage of official NOAA charts is mandatory on the commercial ships that carry our commerce. They are used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters. NOAA charts are available from official chart agents listed at: www.NauticalCharts.NOAA.gov.

Official Print-on-Demand Nautical Charts – These full-scale NOAA charts are updated weekly by NOAA for all Notice to Mariner corrections. They have additional information added in the margin to supplement the chart. Print-on-Demand charts meet all federal chart carriage regulations for charts and updating. Produced under a public/private partnership between NOAA and OceanGrafix, LLC, suppliers of these premium charts are listed at www.OceanGrafix.com.

Official Electronic Navigational Charts (NOAA ENC[®]) – ENCs are digital files of each chart's features and their attributes for use in computer-based navigation systems. ENCs comply with standards of the International Hydrographic Organization. ENCs and their updates are available for free from NOAA at www.NauticalCharts.NOAA.gov.

Official Raster Navigational Charts (NOAA RNC[™]) – RNCs are geo-referenced digital pictures of NOAA's charts that are suitable for use in computer-based navigation systems. RNCs comply with standards of the International Hydrographic Organization. RNCs and their updates are available for free from NOAA at www.NauticalCharts.NOAA.gov.

Official BookletCharts[™] – BookletCharts[™] are reduced scale NOAA charts organized in page-sized pieces. The "Home Edition" can be downloaded from NOAA for free and printed. The Internet address is www.NauticalCharts.gov/bookletcharts.

Official PocketCharts[™] – PocketCharts[™] are for beginning recreational boaters to use for planning and locating, but not for real navigation. Measuring a convenient 13" by 19", they have a 1/3 scale chart on one side, and safety, boating, and educational information on the reverse. They can be purchased at retail outlets and on the Internet.

Official U.S. Coast Pilot[®] – The Coast Pilots are 9 text volumes containing information important to navigators such as channel descriptions, port facilities, anchorages, bridge and cable clearances, currents, prominent features, weather, dangers, and Federal Regulations. They supplement the charts and are available from NOAA chart agents or may be downloaded for free at www.NauticalCharts.NOAA.gov.

Official On-Line Chart Viewer – All NOAA nautical charts are viewable here on-line using any Internet browser. Each chart is up-to-date with the most recent Notices to Mariners. Use these on-line charts as a ready reference or planning tool. The Internet address is www.NauticalCharts.gov/viewer.

Official Nautical Chart Catalogs – Large format, regional catalogs are available for free from official chart agents. Page size, state catalogs are posted on the Internet and can be printed at home for free. Go to <http://NauticalCharts.NOAA.gov/mcd/ccatalogs.htm>.

Internet Sites: www.NauticalCharts.NOAA.gov, www.NOAA.gov, www.TidesandCurrents.NOAA.gov, www.NOS.NOAA.gov.

